



SEQUENCE LISTING

<110> Barton, Barry
McNaughton, Heather Jane
Schofield, Christopher Joseph
Thirkettle, Jan Edward

<120> Process for Preparing Clavam Derivatives
by Using Polypeptides Having Beta-Lactam Synthetase Activity

<130> P32085

<140> PCT/GB99/02301

<141> 1999-07-15

<150> GB 9815666.4

<151> 1998-07-17

<160> 6

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<211> 1542

<212> DNA

<213> Streptomyces clavuligerus

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<213> Streptomyces clavuligerus

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 35 40 45
 Leu Val His Ala Pro Ser Val Ala Pro Asp Arg Ala Val Ala Arg Ser
 50 55 60
 Leu Thr Gly Ala Pro Thr Thr Ala Val Leu Ala Gly Glu Ile Tyr Asn
 65 70 75 80
 Arg Asp Glu Leu Leu Ser Val Leu Pro Ala Gly Pro Ala Pro Glu Gly
 85 90 95
 Asp Ala Glu Leu Val Leu Arg Leu Leu Glu Arg Tyr Asp Leu His Ala
 100 105 110
 Phe Arg Leu Val Asn Gly Arg Phe Ala Thr Val Val Arg Thr Gly Asp
 115 120 125
 Arg Val Leu Leu Ala Thr Asp His Ala Gly Ser Val Pro Leu Tyr Thr
 130 135 140
 Cys Val Ala Pro Gly Glu Val Arg Ala Ser Thr Glu Ala Lys Ala Leu
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 Ala Ala His Arg Asp Pro Lys Gly Phe Pro Leu Ala Asp Ala Arg Arg
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 Val Ala Gly Leu Thr Gly Val Tyr Gln Val Pro Ala Gly Ala Val Met

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Pro Gly Leu Ser Arg Arg Ile Leu Pro Glu Gly Glu Ala Val Ala Ala		
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Val Arg Ala Ala Leu Glu Lys Ala Val Ala Gln Arg Val Thr Pro Gly		
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His Leu Arg Thr Arg His Arg Glu Ile Thr Ile Pro Thr Thr Glu Leu		
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Asp Ile Ile Glu Tyr Leu Leu Pro Leu Thr Ala Leu Tyr Arg Ala Leu		
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Asp Gly Pro Glu Arg Arg Ile Leu Thr Gly Tyr Gly Ala Asp Ile Pro		
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Leu Ala His Asp Met Ala Thr Phe Asp Gly Leu Asn Glu Met Ser Pro		
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Val Leu Ser Thr Leu Ala Gly His Trp Thr Thr His Pro Tyr Trp Asp		
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Arg Glu Val Leu Asp Leu Leu Val Ser Leu Glu Ala Gly Leu Lys Arg		
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Arg His Gly Arg Asp Lys Trp Val Leu Arg Ala Ala Met Ala Asp Ala		
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Leu Pro Ala Glu Thr Val Asn Arg Pro Lys Leu Gly Val His Glu Gly		
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Ser Gly Thr Thr Ser Ser Phe Ser Arg Leu Leu Leu Asp His Gly Val		
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Ala Glu Asp Arg Val His Glu Ala Lys Arg Gln Val Val Arg Glu Leu		
465	470	475
Phe Asp Leu Thr Val Gly Gly Gly Arg His Pro Ser Glu Val Asp Thr		
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20

5

10

15

end B.

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